**Session Proposal**

# Session Title

# The Third National Soil Survey in China: Key Technologies and Result Applications

# Session Organizers

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# Session Description

‌The Third National Soil Survey of China‌, as a major national survey on China's soil resources and conditions, aims to comprehensively investigate the fundamental information of soil types, quantity, quality, distribution, utilization status, and trends of change across the country. This session will focus on in-depth discussions about the latest progress, technical challenges, data management and application, and international cooperation related to the Third National Soil Survey. We will share ‌innovative technologies and methodologies‌ developed during the census process, explore the ‌scientific interpretation of soil data‌ and its role in ‌decision-making support‌, and emphasize the need to strengthen ‌international collaboration and knowledge exchange‌ in soil resource management. Additionally, this session will provide a platform for early-career researchers and professionals in soil science to ‌present their research findings‌ and ‌expand academic networks‌.

# Relevance

This session is highly relevant to the congress’s theme by focusing on practical applications and challenges in soil science. By sharing the achievements and experiences of the Third National Soil Survey, it promotes sustainable management of soil resources and green transformation of agriculture, addressing key issues of innovation and development in soil science.

# Format

**‌Oral Presentations‌:** Featuring keynote speeches by renowned domestic and international experts on critical issues related to the Third National Soil Survey.

**‌Panel Discussions‌:** Organizing in-depth dialogues among scholars and experts on hot topics such as data sharing and international collaboration in soil survey initiatives.

**‌Poster Presentations‌:** Providing a platform for young scholars and graduate students to showcase their research findings and foster academic exchange and collaboration.

# Proposed Speakers *(List potential speakers (if any) you intend to invite, including their affiliations and a brief description of their contributions to the session)*